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**From:** Shuster, Kenneth [Shuster.Kenneth@epa.gov]  
**Sent:** 7/7/2016 8:09:23 PM  
**To:** Gerhard, Sasha [Gerhard.Sasha@epa.gov]; Galbraith, Michael [Galbraith.Michael@epa.gov]; Crosby-Vega, Terri [Crosby-Vega.Terri@epa.gov]; Craig, Harry [Craig.Harry@epa.gov]; Gaines, Jeff [Gaines.Jeff@epa.gov]  
**Subject:** FW: An inquiry regarding the lab search for tetrazine in water  
**Attachments:** Tetrazine reference from MEI Renewal Application.pdf

FYI.

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**From:** Laura Olah [mailto:info@cswab.org]  
**Sent:** Thursday, July 07, 2016 3:40 PM  
**To:** Yang, Shen-Yi <Yang.Shen-Yi@epa.gov>  
**Cc:** Shuster, Kenneth <Shuster.Kenneth@epa.gov>; Kirkland, Kim <Kirkland.Kim@epa.gov>  
**Subject:** RE: An inquiry regarding the lab search for tetrazine in water

Dear Shen-Yi,  
Florida regulators wrote today:  
"Chemring uses tetracene as well as tetrazine. We are interested in tetrazine."  
The attached page was provided as one of the references.  
Please include both soil and groundwater in your search.  
Thanks again for your help.  
Laura

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Laura Olah, Executive Director  
Citizens for Safe Water Around Badger (CSWAB)  
Coordinator, Cease Fire Campaign  
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<http://cswab.org/resources/cease-fire-campaign>  
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**From:** Yang, Shen-Yi [mailto:Yang.Shen-Yi@epa.gov]  
**Sent:** Wednesday, July 06, 2016 10:51 AM  
**To:** [military@lists.cpeo.org](mailto:military@lists.cpeo.org)  
**Cc:** Shuster, Kenneth; Kirkland, Kim; [info@cswab.org](mailto:info@cswab.org)  
**Subject:** An inquiry regarding the lab search for tetrazine in water

Your inquiry has been forwarded to me. For me to correctly respond to your inquiry, I would appreciate if you can clarify the analyte of your concern - tetrazine or tetrazene. These two compounds are different.

Tetrazine, CAS No. 54410-57-0, formula, C<sub>2</sub>H<sub>2</sub>N<sub>4</sub>;  
Tetrazene, CAS No. 31330-63-9, formula N<sub>4</sub>H<sub>4</sub>; this is the target analyte of Method 8331 (for explosive).

I think you are interested in tetrazene, not tetrazine. Am I correct? Thanks for your clarification.

Shen-yi Yang  
RCRA Organic Methods Program Manager  
U. S. Environmental Protection Agency  
Office of Land and Emergency Response (OLEM)  
Office of Resource Conservation & 'Recovery (ORCR)  
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**From:** Military [<mailto:military-bounces@lists.cpeo.org>] **On Behalf Of** Laura Olah  
**Sent:** Tuesday, July 05, 2016 12:54 PM  
**To:** CPEO - listserve <[military@lists.cpeo.org](mailto:military@lists.cpeo.org)>  
**Subject:** [CPEO-MEF] Lab search: Tetrazine in water

Anyone know of a laboratory capable of analyzing groundwater and/or drinking water for tetrazine?

Location: anywhere in U.S.  
Method: EPA 8331 (Tetrazine by HPLC)  
Note: environmental contaminant at OB/OD site for primers

Please reply to [info@cswab.org](mailto:info@cswab.org)

Laura Olah, Executive Director  
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